

Title (en)

Spreader tool for pipes and pipe press coupling

Title (de)

Aufweitwerkzeug für Rohre und Rohrpresskupplung

Title (fr)

Dispositif d'agrandissement pour tuyaux et raccord de serrage pour tuyaux

Publication

EP 2153917 A3 20110727 (DE)

Application

EP 09010375 A 20090812

Priority

CH 12692008 A 20080813

Abstract (en)

[origin: EP2153917A2] The tool (1) has expanding bodies (22) actuated by actuating arrangements. A limiting sleeve (10) is fastened at a tool housing (2) by screw threads and surrounds the expanding bodies for a pipe (12) to be expanded with a preset distance in an insertion position. The limiting sleeve provides a hollow cylindrical expansion limit for the ends of the pipe. The sleeve and the housing form a ring shaped receptacle for a flange of the expanding bodies. The bodies include expanding body parts (4-9), which are radially moved by the actuating arrangements for increasing a circumference of the bodies. Independent claims are also included for the following: (1) a method for expanding ends of a pipe (2) a pipe press coupling for pressing a pipe with a preset inner diameter (3) a method for forming a pipe press coupling for a multi-layer composite pipe.

IPC 8 full level

B21D 39/20 (2006.01); **B21D 41/02** (2006.01); **B29C 57/04** (2006.01); **F16L 13/14** (2006.01)

CPC (source: EP)

B21D 39/20 (2013.01); **B21D 41/026** (2013.01); **F16L 13/147** (2013.01)

Citation (search report)

- [XAYI] JP S58173035 A 19831011 - HITACHI LTD
- [YA] DE 2505915 A1 19760826 - ROTHENBERGER SCHWEISSTECH
- [YA] DE 19730054 C1 19990318 - WOLTER ECKHARD [DE]
- [YA] DE 19504968 A1 19960822 - WIRSBO ROHRPROD UND VERTR GMBH [DE]

Cited by

CN110892185A; EP3097993A1; CN114365357A; DE102013105481A1; WO2021056038A1; US11543065B2; US11054076B2; US11541581B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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